

GCTGGAGGTGCTGTCATGGCCCTGCCTCAACCCGGTGCCTAAACTCTACAGATCTGTAATTGAAGATGTAATTGAAGGAGT
TCGGAATCTATTGCTGAAGAAGGTATAGAGGAACAAGTTTTAAAAGACTTGAAGCAGCTCTGGGAAACCAAGGTTTTGC
AGTCTAAAGCAACAGAAAGACTTCTTCAGAAATAGCATCCAATCACCTCTGTTTACTCTTCAGTTGCCGCACAGCTTGCAC
CAAACATTGCAATCGTCAACAGCATATTAGTTATTCTCTGCTGGTAGAACTCTTCCAAGTTTACCACAGCAGAACTGGG
CACTTCAAACCTCCAGTGCAAACCTTTACTTTTCTGCTGTTATCCCATTCATGTACCAGCAGGTGTGACACTACAGACTGTAT
CTGGTCACCTTTATAAAGTCAATGTACCAATTATGGTGACAGAGACTTCTGGAAGAGCAGGTATTCTTCAGCATCCAATT
CAGCAAGTATTTCAACAGCTTGGCCAGCCTTCAGTAATACAACTAGTGTTCACAATTGAATCCATGGTCTCTTCAAGC
AACTACTGAAAAATCAGAGAGAATTGAAACCGTGCTACAGCAACCCGCAATTCTACCTTCTGGGCCAGTAGATAGGAAAC
ACTTAGAAAATGCCACAGTGATATACTTGTATCTCTGGAATGAGCATAAAATCGTGCCTGAAGCTTTGTTGTGTCAT
CAGGAAAGTTCTCACTATATCAGTCTTCCAGGTGTTGTATTCTCCACAGGTCTCTCAAACAAATTCTGATGTGGAGTC
AGTGCTCAGTGGTTCAGCTAGCATGGCTCAAAATCTGCATGATGAGTCCCTCTCCACAAGCCCTCATGGGGCTCTCCACC
AGCACGTGACTGATATTTCAGCTTCATATTCTTAAAAATAGGATGTATGGATGTGATTCTGTAAAGCAACCAAGAAATATA
GAGGAACCCAGCAACATACCTGTATCAGAGAAGGATTCTAATTCTCAGGTGGATTTAAGCATTCTGGGTTACTGATGATGA
TATTGGTGAAATAATTCAAGTAGATGGAAGCGGTGATACATCTTCCAATGAAGAAATAGGAAGTACAAGAGATGCAGATT
AGAATGAATTTCTAGGAATATTGACGGGGGAGATCTGAAGGTACCTGAAGAAGAAGCTGACAGTATTTCAAATGAGGAT
TCAGCCACAAACAGTAGTGATAATGAAGACCTCAAGTAAACATTGTAGAAGAGGACCTTTAAATCTGGAGATGATGT
TAGTGAACAGGATGTGCCAGACCTGTTTGACACGGATAATGTAATTGTCTGTCAGTATGATAAGATTCATCGAAGCAAGA
ACAAATGGAAATTTCTATTGAAAGATGGTGTATGTGTTTTGGAGGGAGAGACTATGTATTGCAAAAGCCATTGGTGAT
GCAGAGTGGTAAACCTTGTGAGCTCAGTACATCTATTTTGTGAACATCAGTTGGACTATATTGCATATTGTGAATTCATT
TTTATTTTGAATATAGTCCAGCACAGAGCTGTTCAAATTTTTAGTTCACTGTATGGAATTTAATAAAATTATAATTCAGA
TGCAGATACAATTACAC

Figure 1.

MACLNPVPKLYRSVIEDVIEGVRNLFEEGIEEQVLKDLKQLWETKVLQSKATEDFFRNSIQSPLFTLQLPHSLHQTLQS
STASLVIPAGRTLPSFTTAE LGTSNSSANFTFPGYPIHVPAGVTLQTVSGHLYKVNVPIMVTETSGRAGILQHPIQQVFQ
QLGQPSVIQTSVPQLNPWSLQATTEKSQRIETVLQQPAILPSGPVDRKHLENATSDILVSPGNEHKIVPEALLCHQESSH
YISLPGVVFSPQVSQTSNDVESVLSGSASMAQNLHDESLSTSPHGALHQHVTDIQLHLKRNMYGCDSVKQPRNIEEPSN
IPVSEKDSNSQVDLSIRVTDDDIGEI IQVDGSGDTSSNEEIGSTRDADENEFLGNIDGGDLKVPEEADSISNEDSATNS
SDNEDPQVNIVEEDPLNSGDDVSEQDVPDLFDTDNVIVCQYDKIHRSKNKWKFYLDGVMCFGGRDVFVFAKAIGDAEW

Figure 2.

Figure 3.

MCSTNPGKWVTFDDDDPAVQSSQKSKNFLENQGVCRPNGLKLNPPGLREFPSGSSSTSSSTPLSSPIVDYFYSFGPPSPNSP
LSTPTKDFPGFPGIPKAGTHVLYPIPESSSDSPLAISGGESSLLPTRPTCLSHALLPSDHSCTHPTPKVGLPDEVNPQQA
ESLGFQSDDLPLQFYQFYREDCAFFSPFRKDEGSDSHFTLDPPGSKMFFSSRNKEMPIDQKSLNCKSLNYICEKLEHLQSAE
NQDSLRLSLMHCLEAENASSFVPHTLFRSQPKSGVFMRLIPEKKNMSSSRQWGPFIPLKVLPGGILQMYEEQGLKPFKE
EQLDPLCYRLSEPKVFNFSVAGIKHTVKIEHVSYTEKRKYHKSCTEVVHEIDIEQMLKLGSDSYHDFLDLFDTTVEEELMKL
PAVSKPKKNYEEQEISLEIVDNFWGKVTKEGFVESAVITQIYCLCFVNGNLECFLTLDNDLELPKRDESYYEKDESEKKGI
DILDYHFHKVCNVQFEQESRIKEFVPLDACRFELMRFKTILYNGDNLPSFLSKVSVVQVQAYVELQAFVNMASLAQRSSYAG
SLRSCDNIIRIHFPVPSQWIKALWTMNLQRQKSLKAKMNRRACLGSLQELESSEPVIVQTVGSAKYESQIAVVKWIDRLDP
KNSSLDHPHCLSYKLELGSQDEIPSDWYFATVQFVSPDTCASRETVLGSVESDVQPKHQVQACRACNYQPKLYRSVIE
DVIEGVRNLFAGEEGIEQVLKDLKQLWETKVLQSKATEDFFRNSIQSPFLTQLPHSLHQTLQSSTASLVIAGRTLPSF
TTAELGTSNNSANFETPPGYPIHVPAGVTLQTVSGHLYKVNVPIMVTETSGRAGILQHPIQQVFQQLGQPSVITQTSVPQLN
PWSLQATTEKCSRIETVLQQAIPILSPGVPDRKHLENATSDILVSPGNEHKIVPEALLCHQESSHYISLPGVFPSPQVSQT
NDSVCEVLCGACMACNHFESLIDENHMLNPPGLREFPSGSSSTSSSTPLSSPIVDYFYSFGPPSPNSP

GCATTCCCAAGAAGGACATCGTTTAAACACCTAAACTCATTTAACAAAGGATCCGAGAAGAACAGGGACAGTGTGGGAAGA
AATCCTTCTTGATGGCATATTTGCTTCCTATATTTCTTCTGGAATCATGTTGCTTGGCTTCCTGATTAAAAACACAGT
TTTATTGCTCTCTGCACTGCCAAACCAATAAATTTACAGAAGAGAAAGCTGTATTCCACTGTACCCCTTGCAGCATCAAT
AAACTGACAGCC

Figure 5.

AFPRRTSFNT

Figure 6.

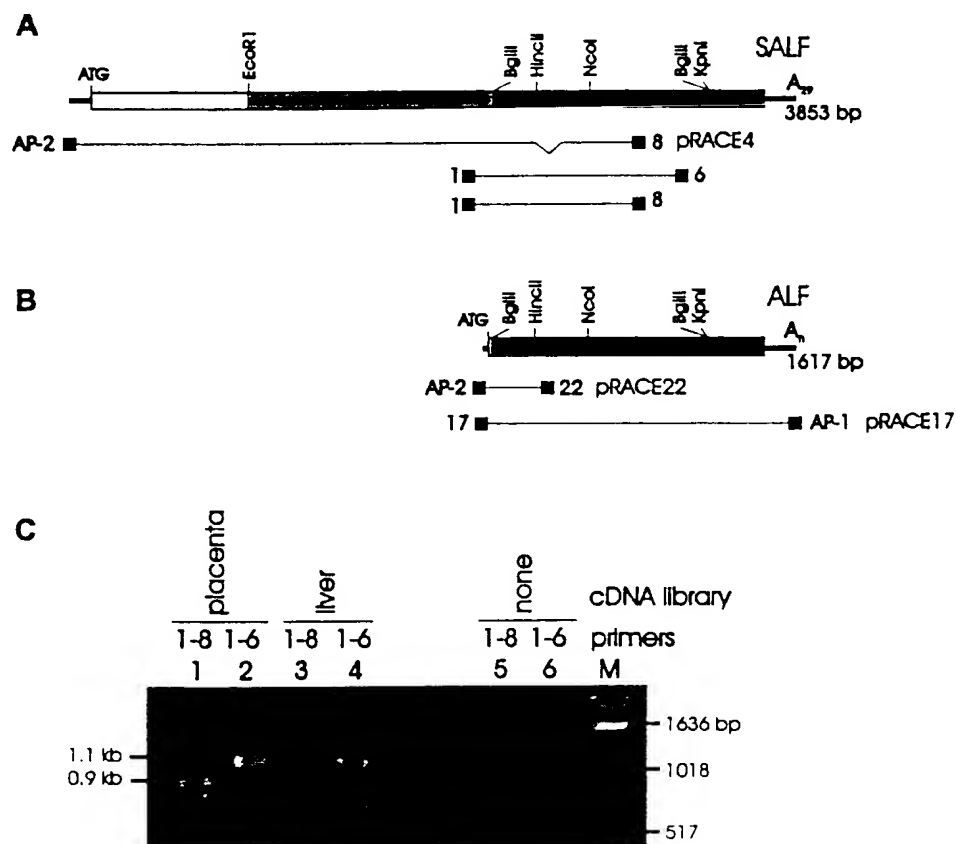
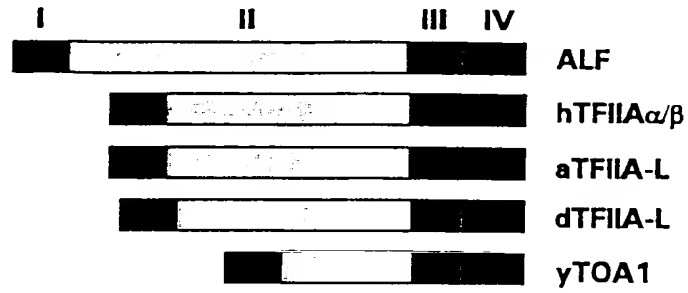


FIG 7 A-C

A



B

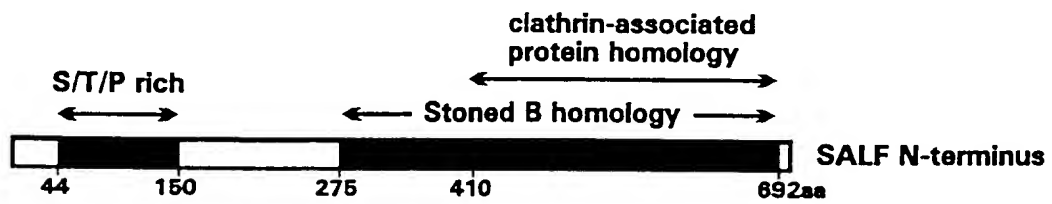


FIG 8A, 8B

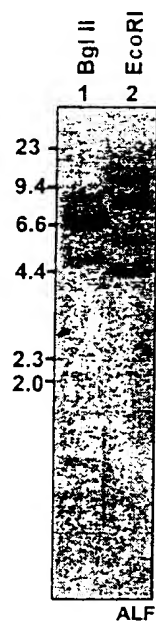


Fig 9

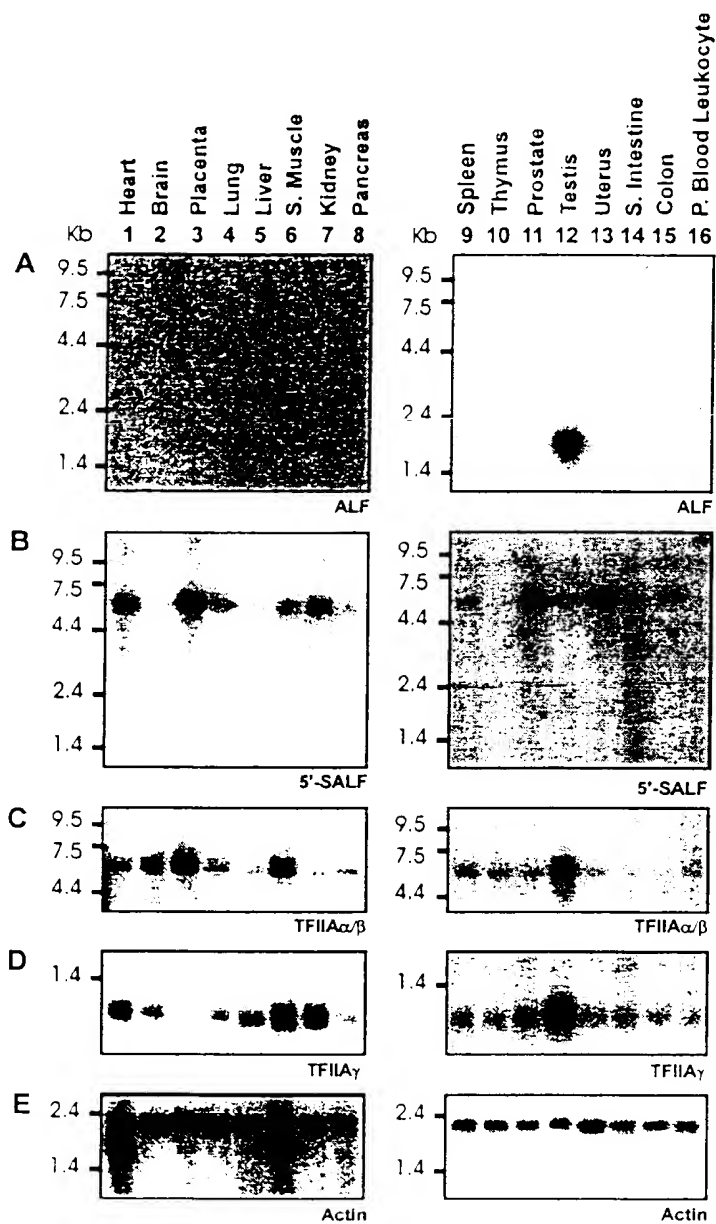


FIG 10 A-E

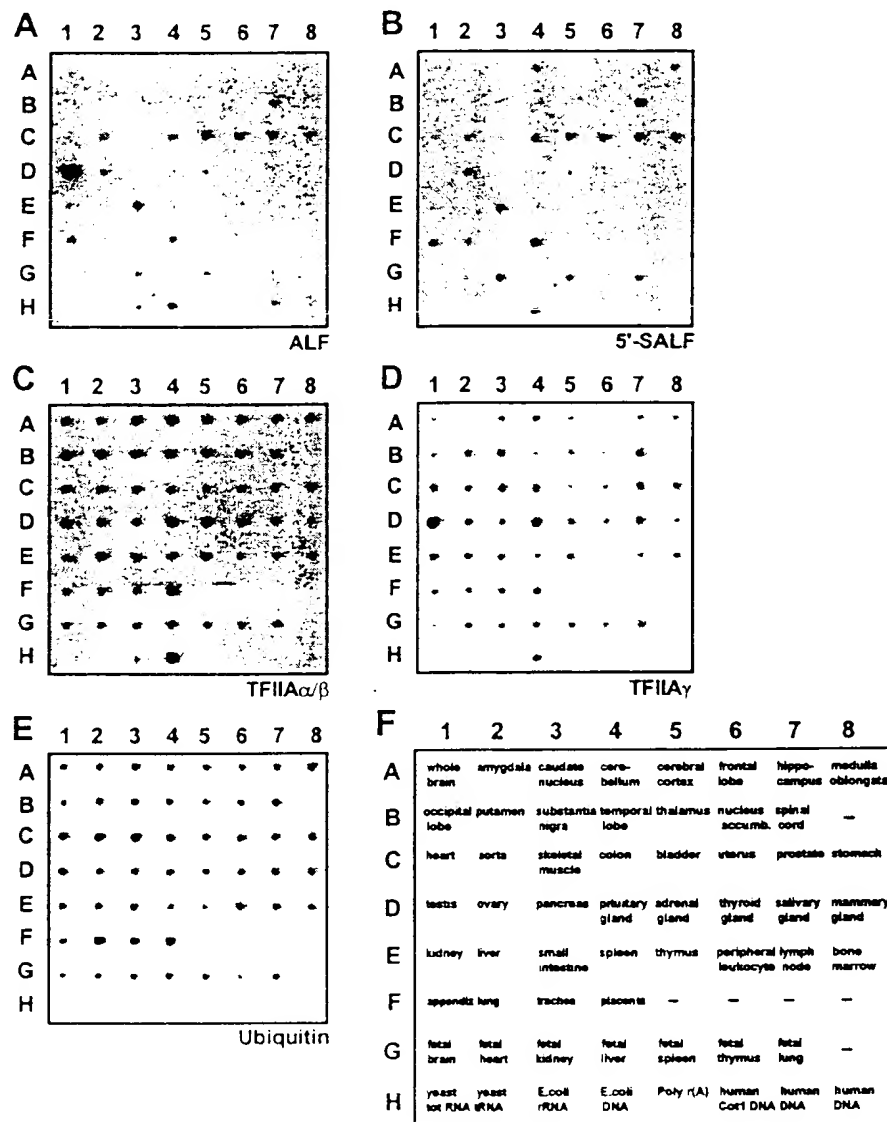


Fig 11 A-F

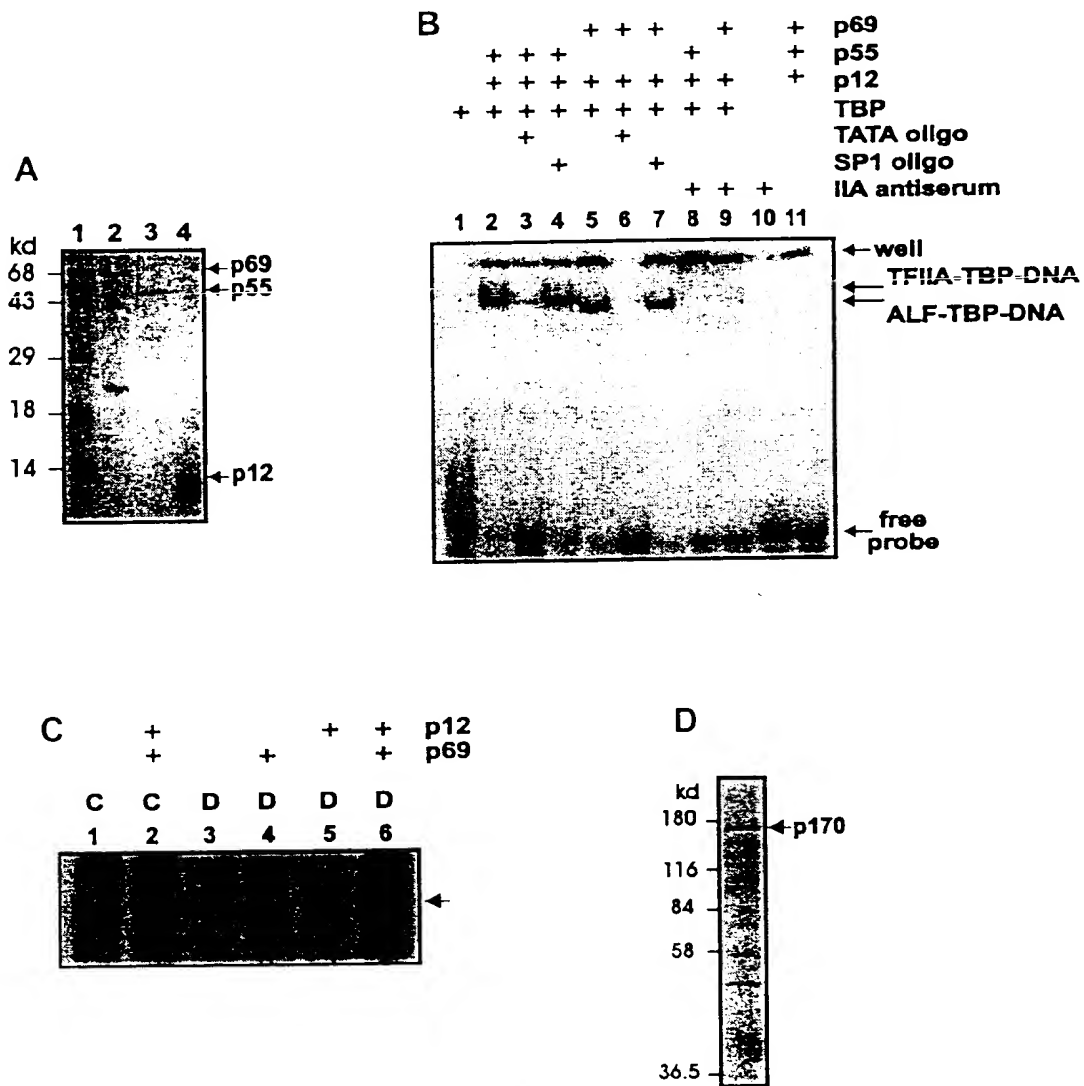


FIG 12 A-D